

Fig. 1

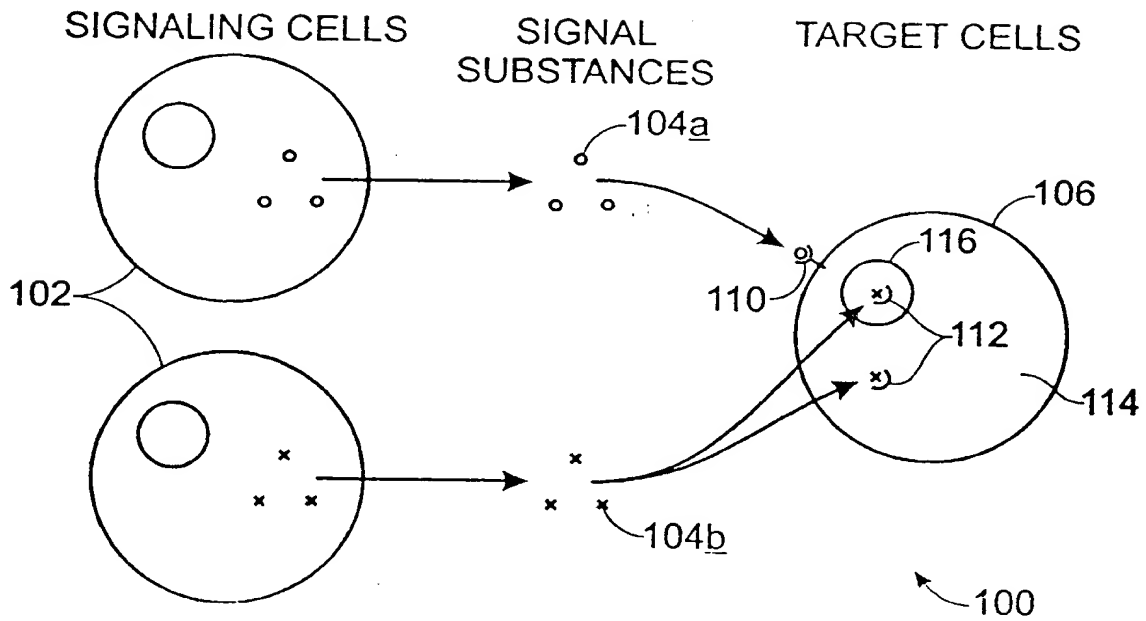


Fig. 2

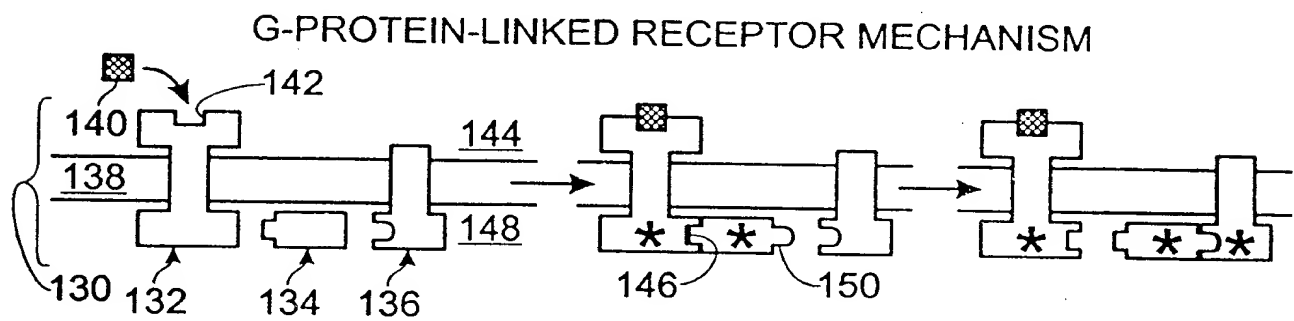
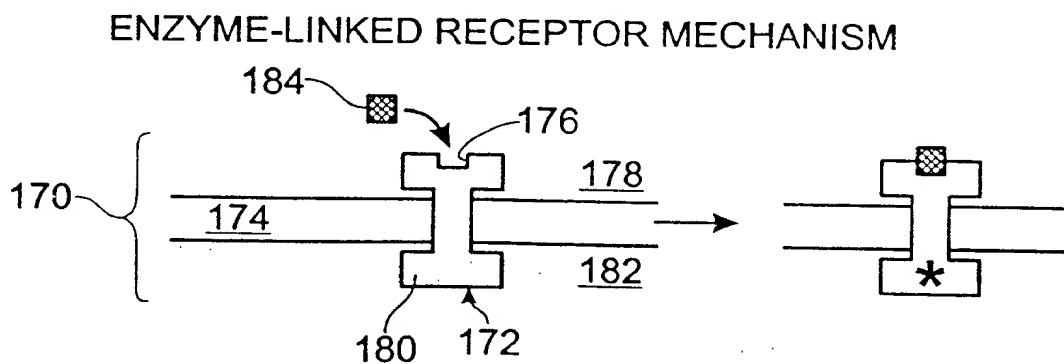


Fig. 3



INTRACELLULAR SIGNALING PATHWAYS

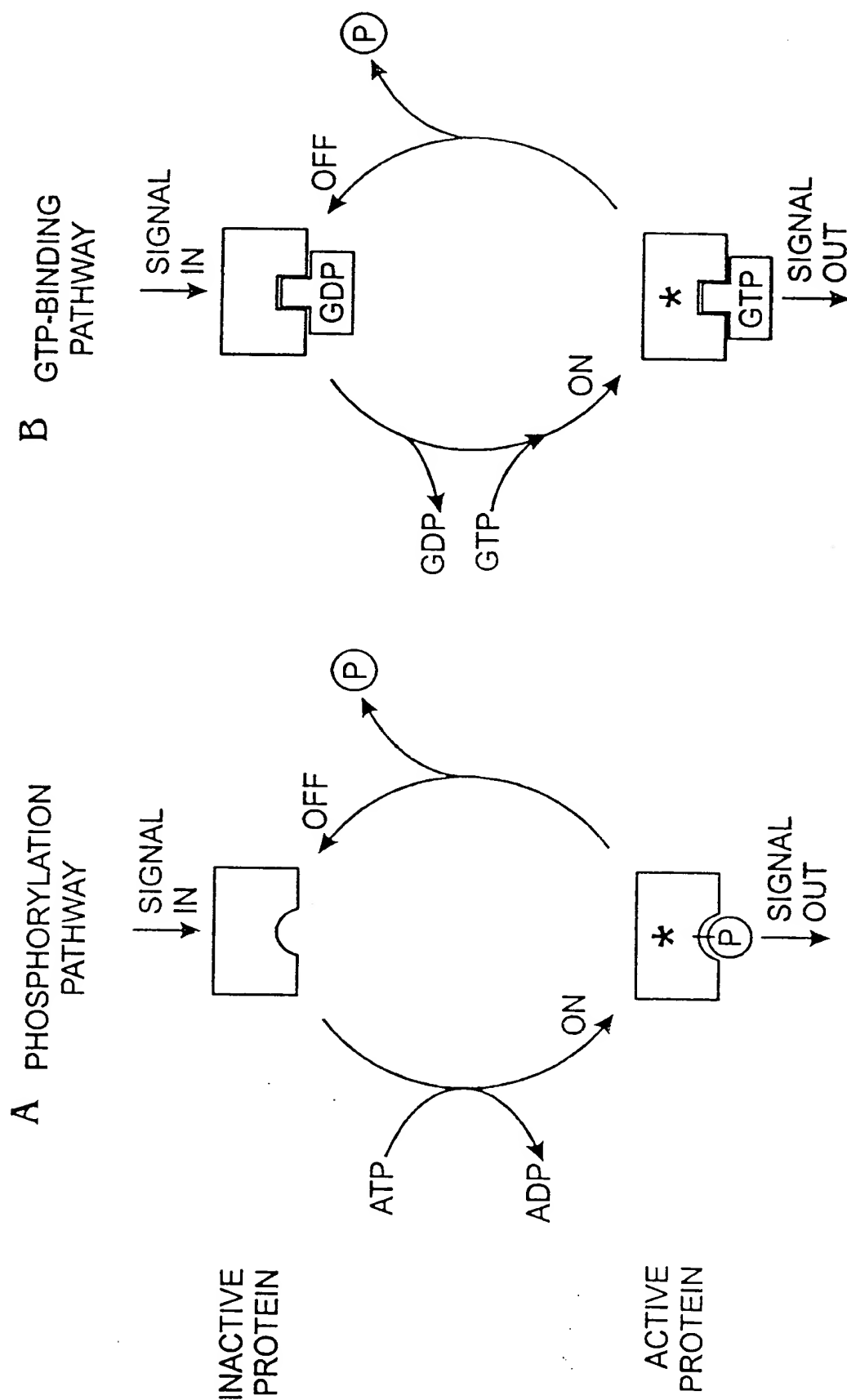
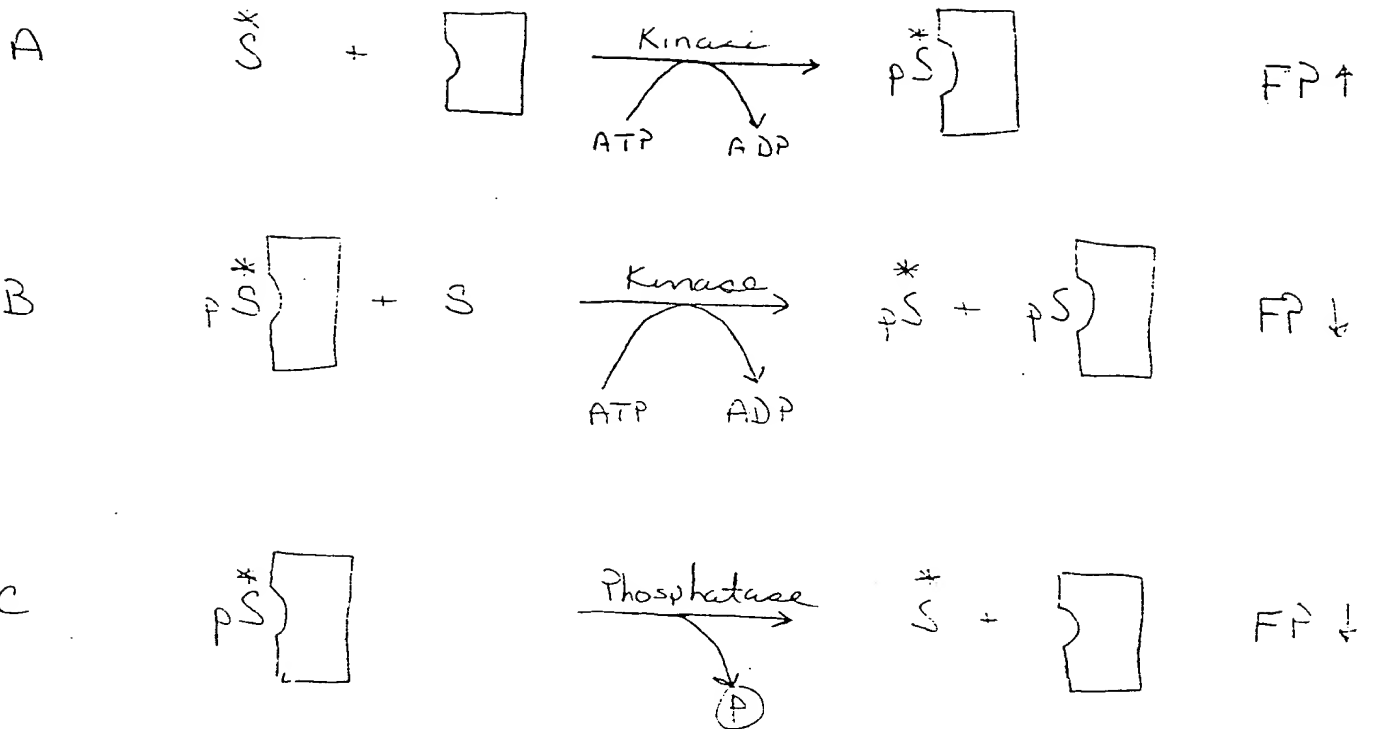


Fig. 5



Fluorescence Polarization Displacement Assay

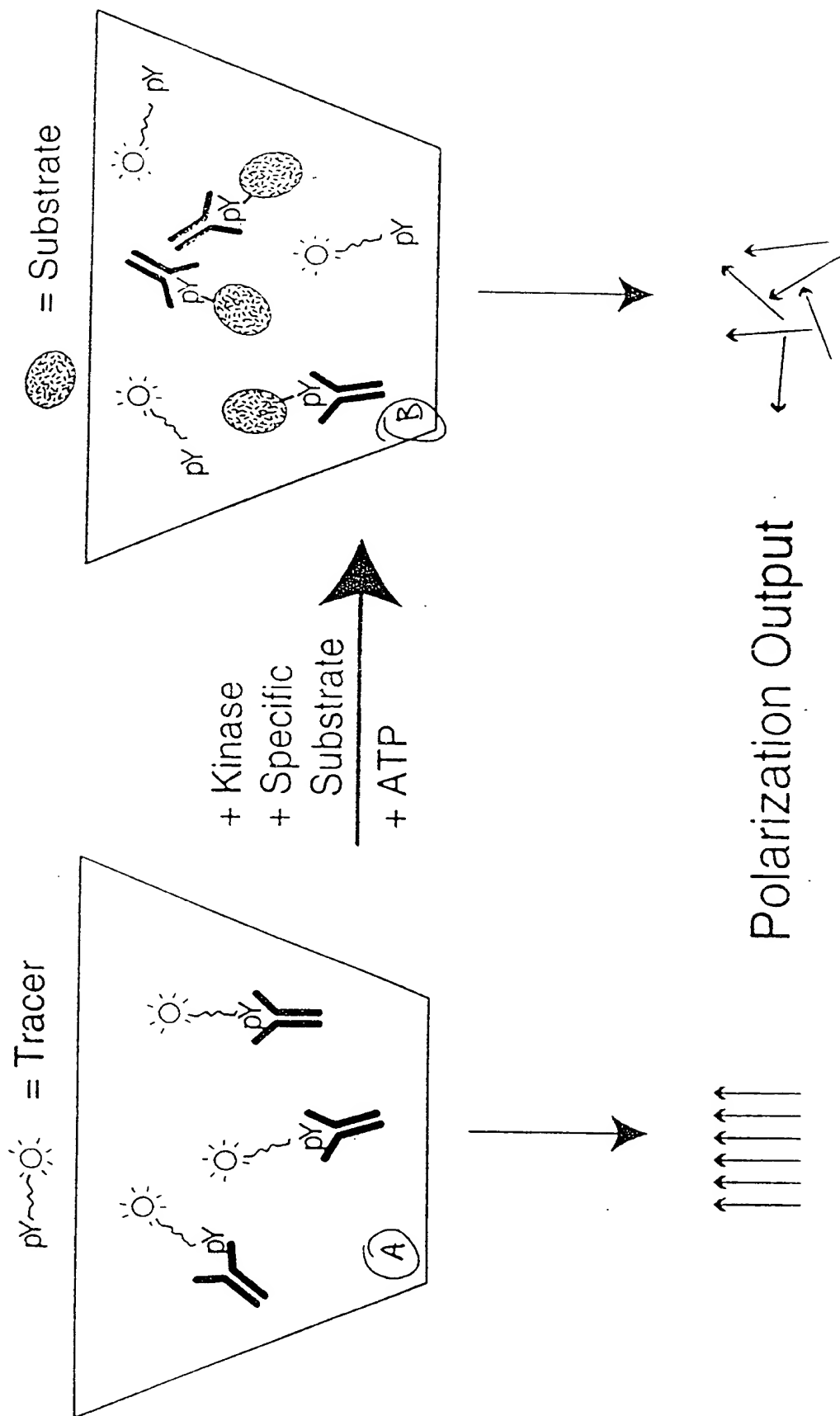


Figure 6

Fig. 7

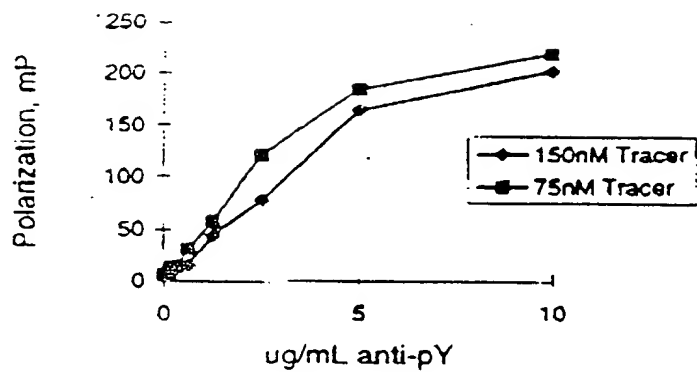
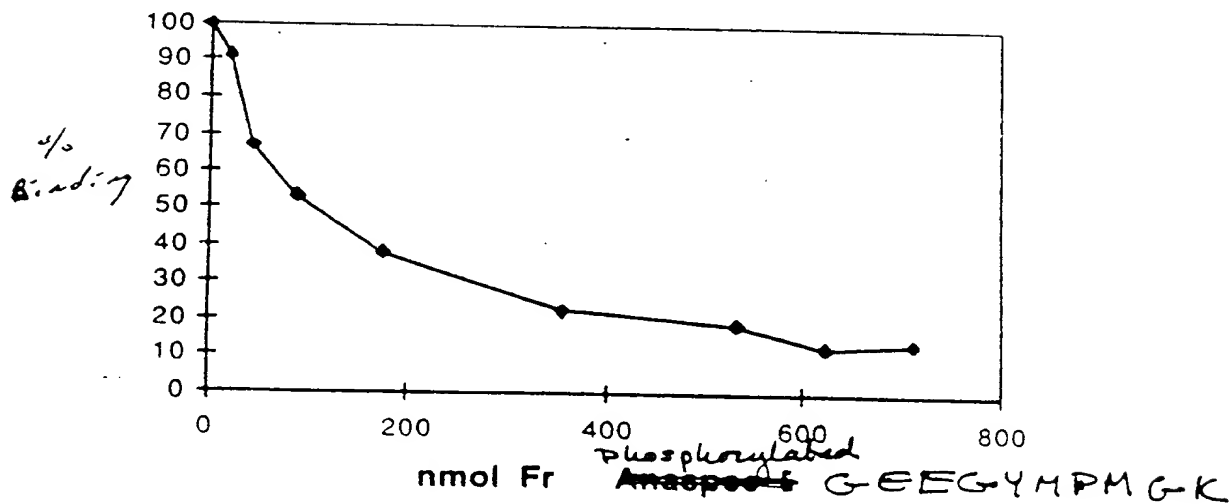


Fig. 8



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Fig. 9

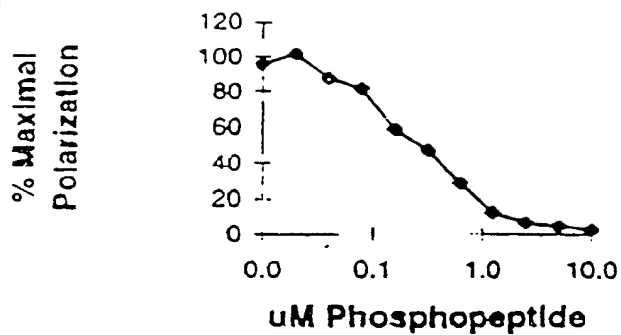
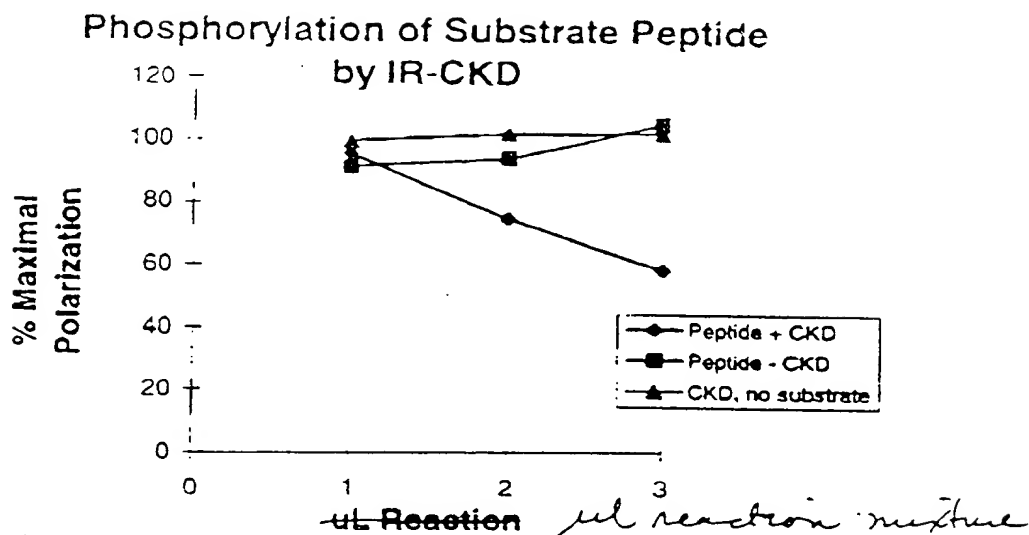


Fig. 10



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Fig 11

Time course for the effect of presence of IR-CKD in Phosphorylation of "S"-Peptide

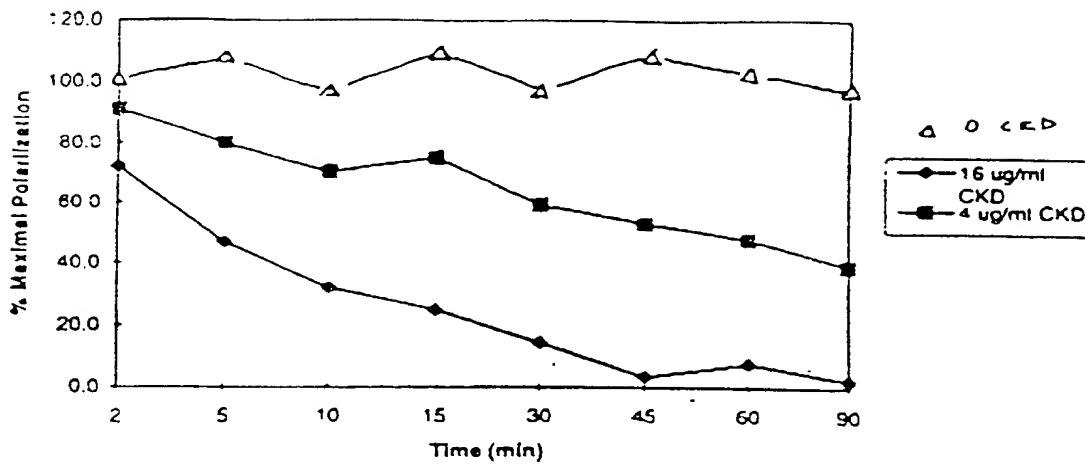


Fig. 12

34405711 inhibitory effect of piceatanol on IR-CKD in phosphorylation of "S" peptide

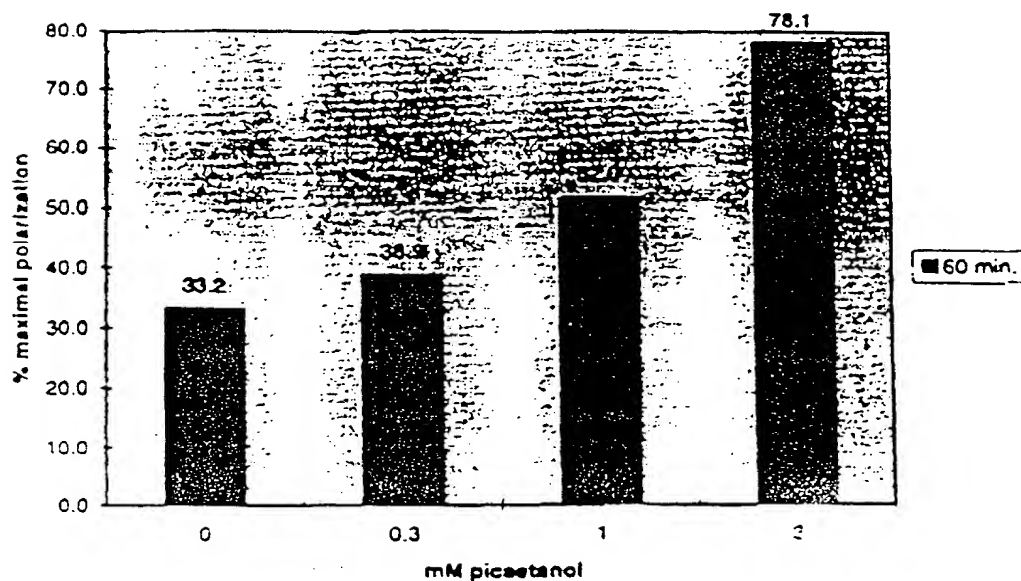


FIGURE 13 SCREEN FOR AGONIST ACTIVITY USING IR-CKD

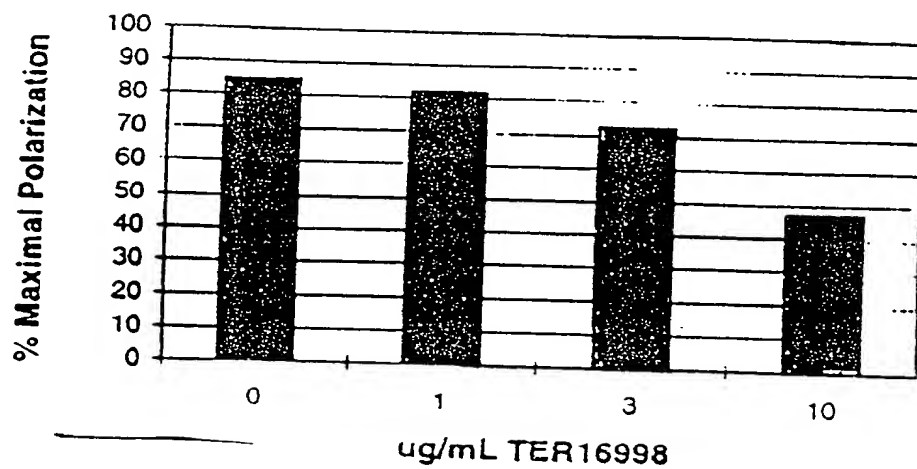
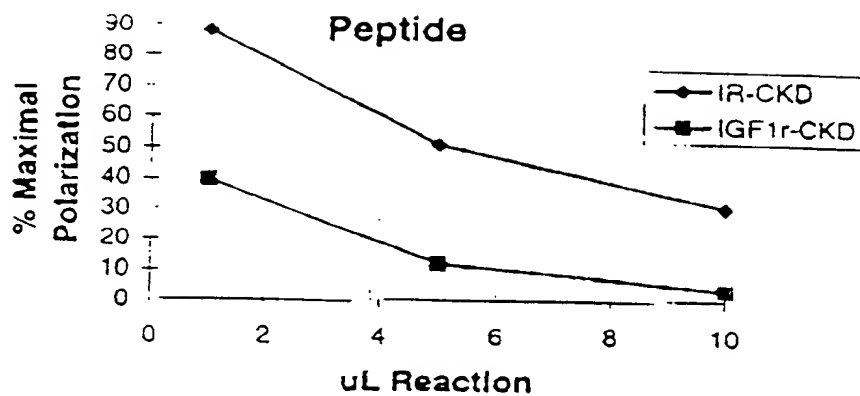


Fig. 14



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Fig. 15

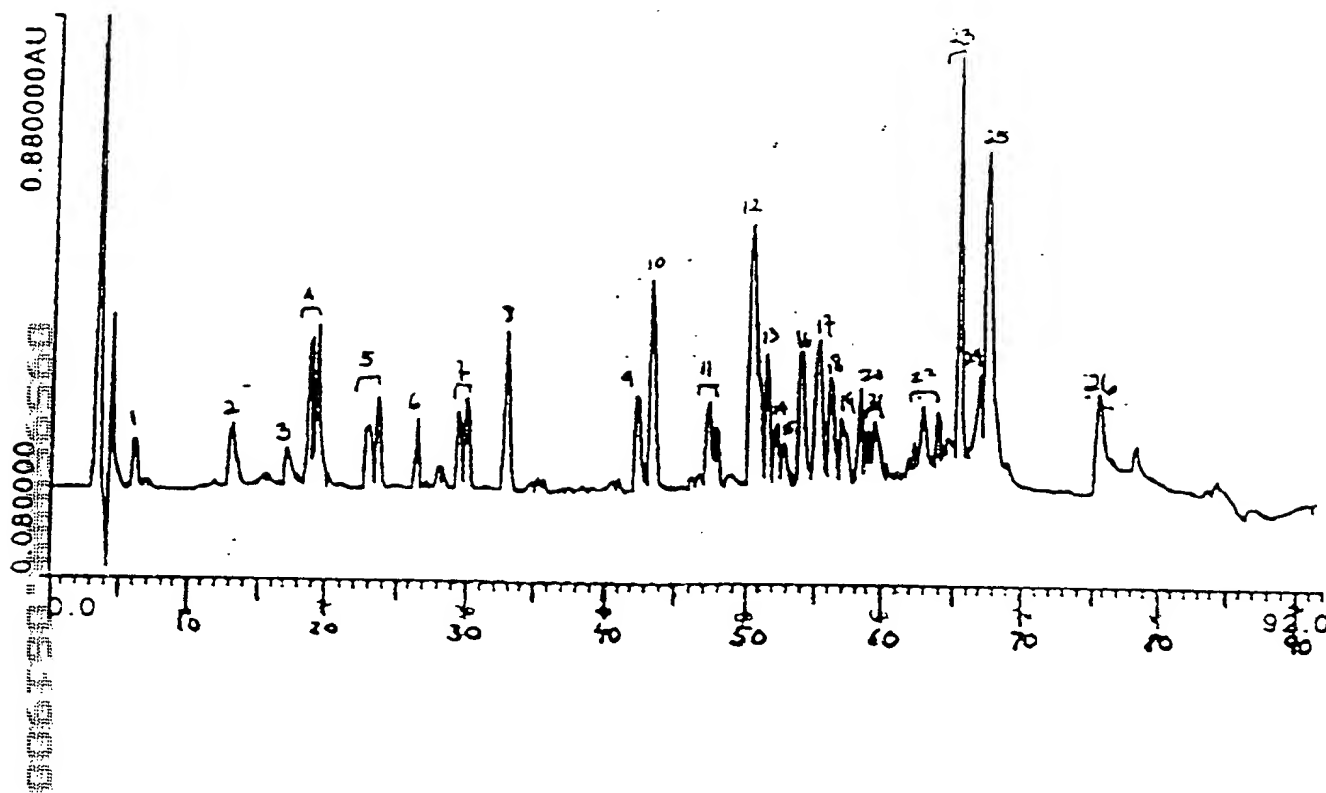


Fig. 16

**pY Peptide Mapping: Phosphorylation
Detection by Fluorescence Polarization**

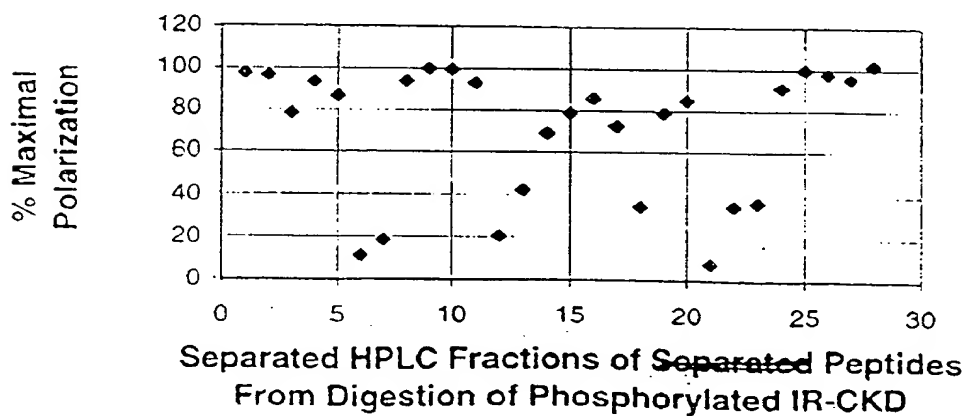
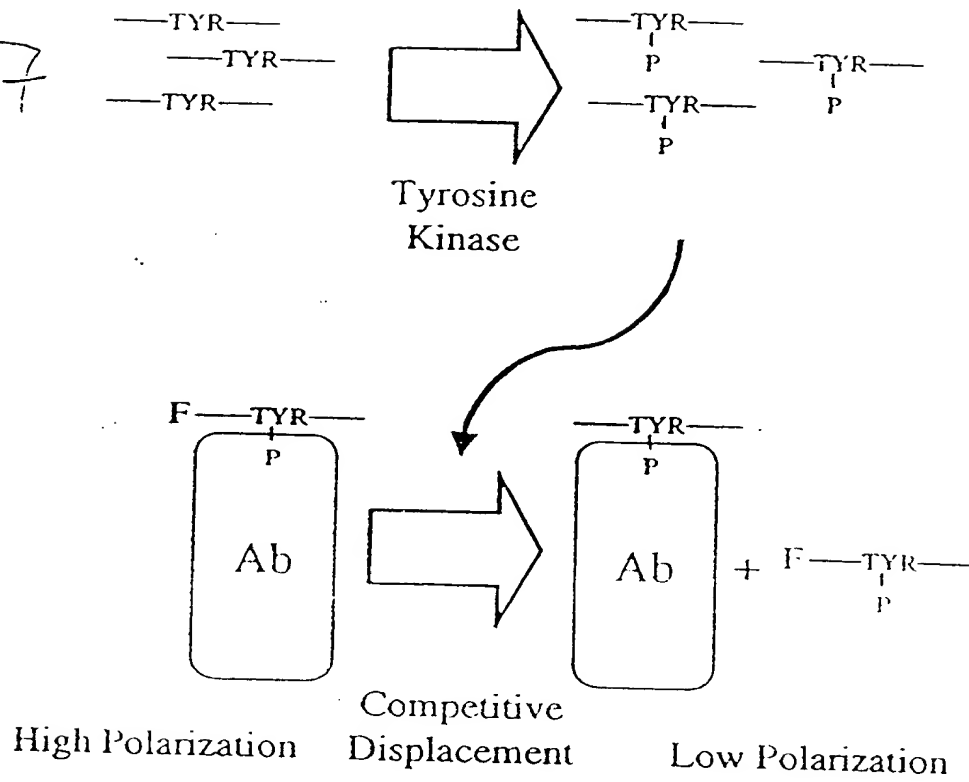


Fig. 17



F = Fluorescein

P = Phosphate Group

—TYR— = Substrate

Fig. 19

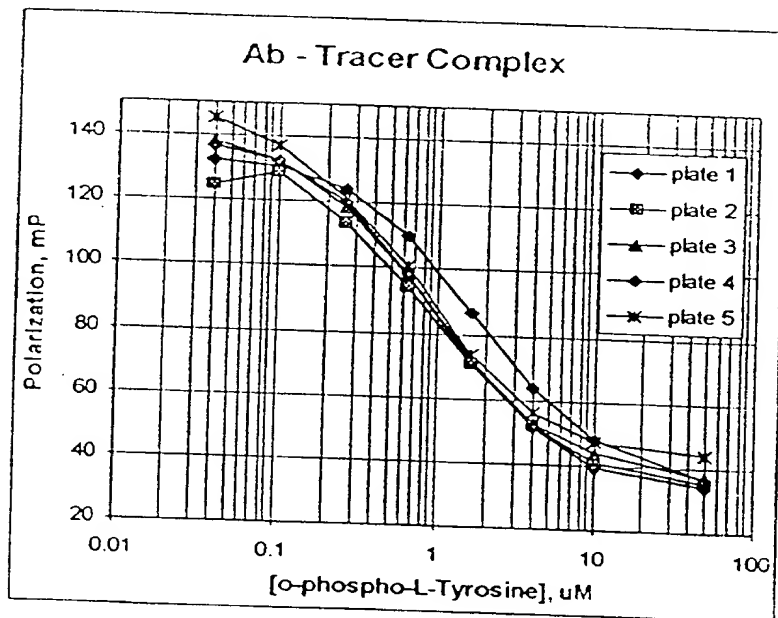


Fig. 20

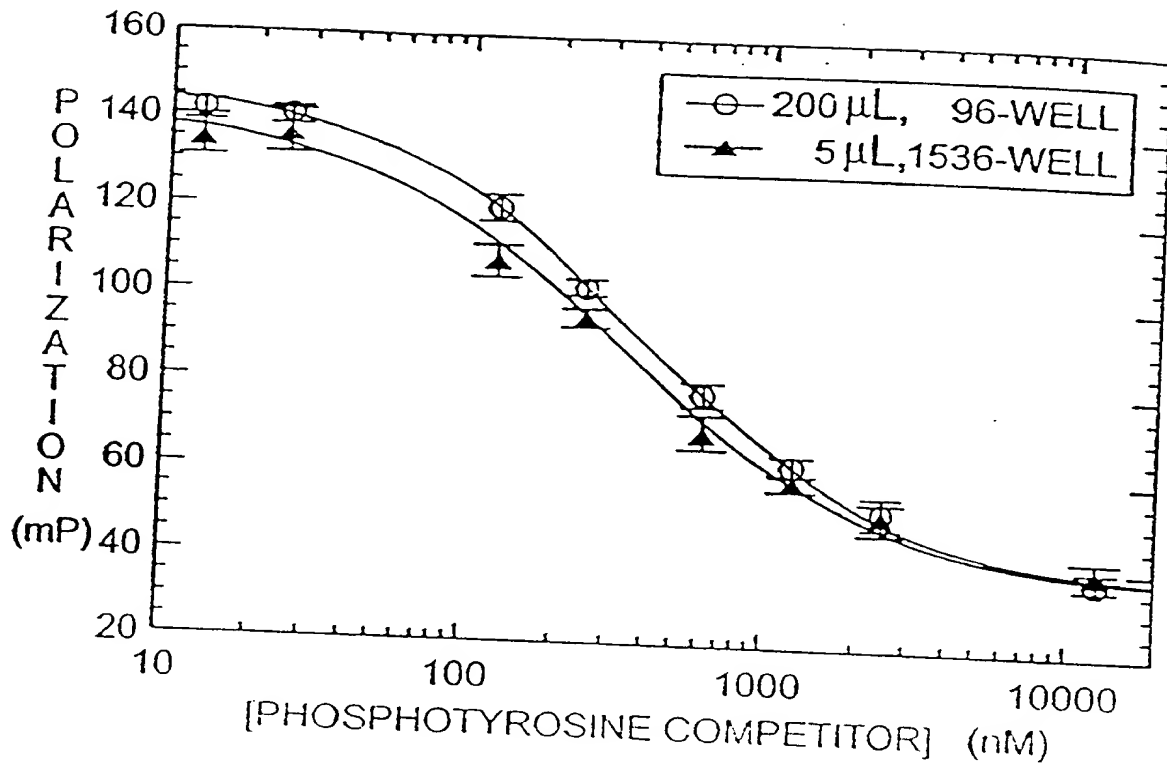


Fig. 21

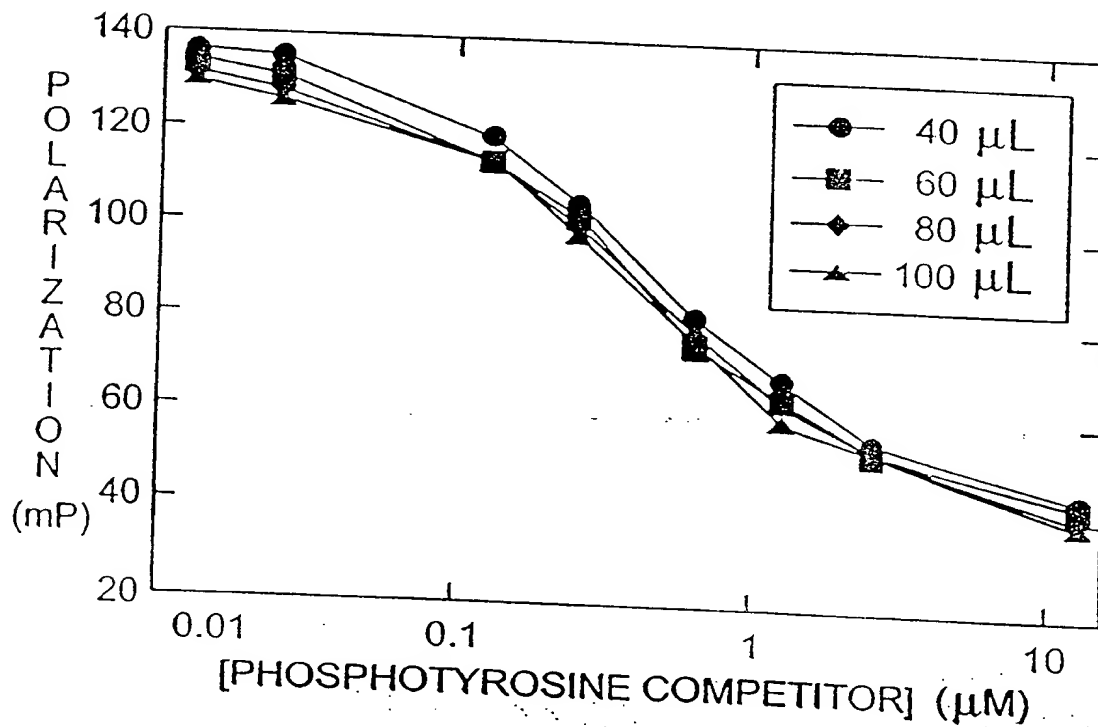


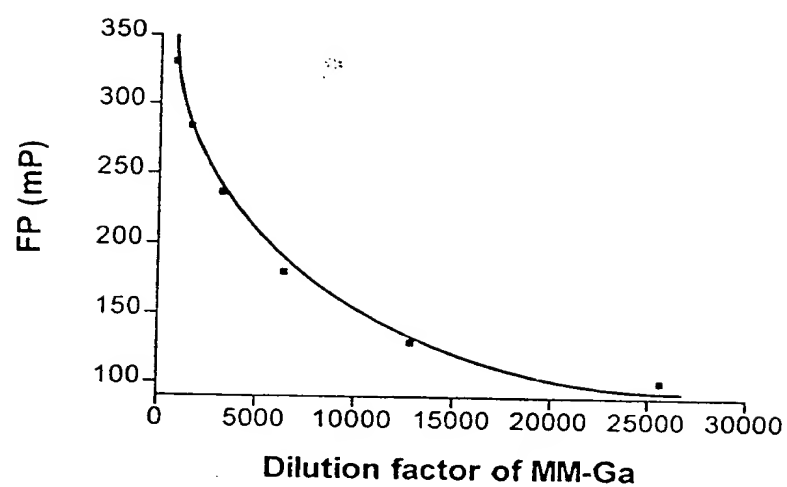
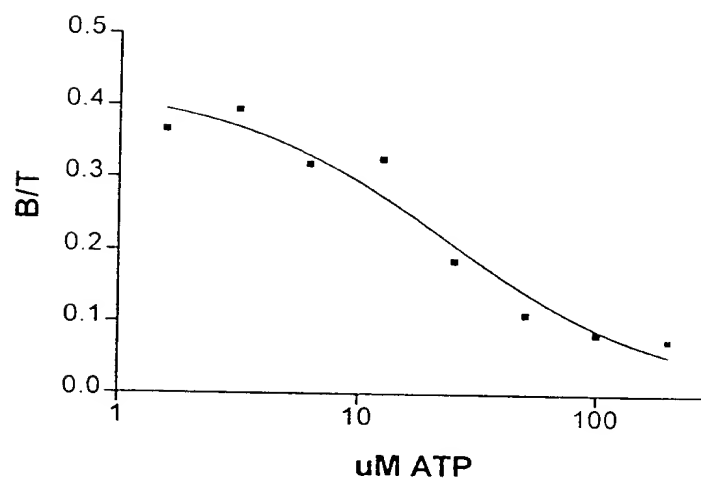
Fig. 22**Fig. 23**

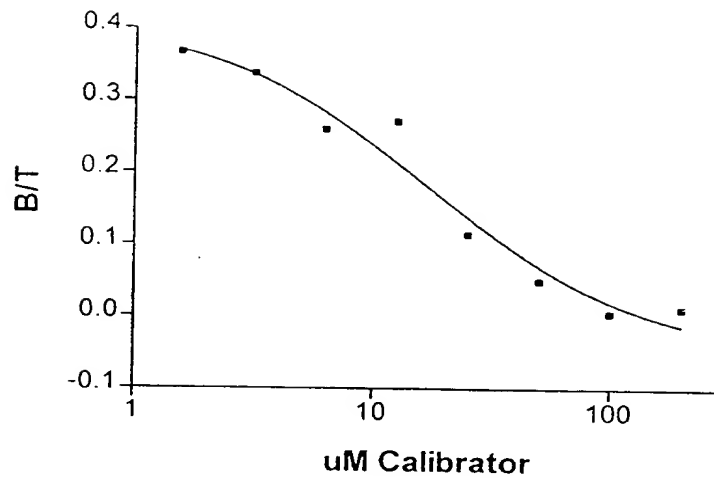
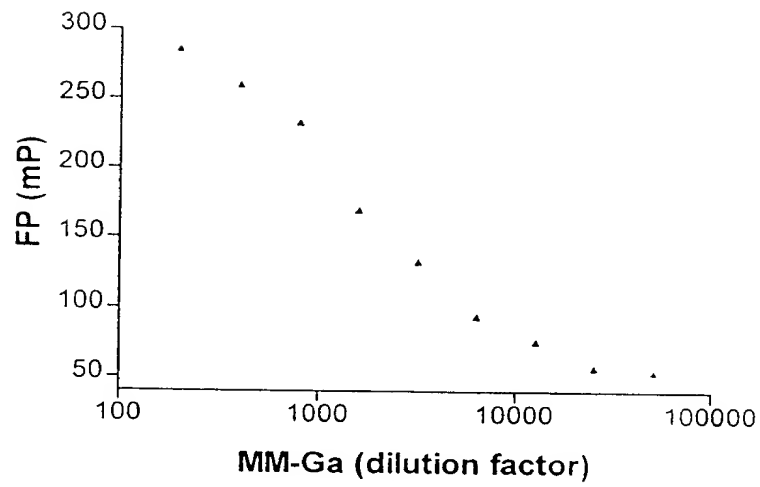
Fig. 24**Fig. 25**

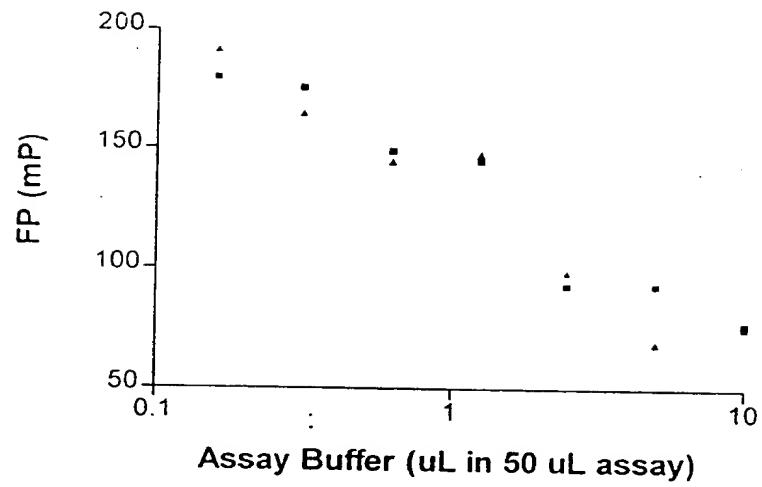
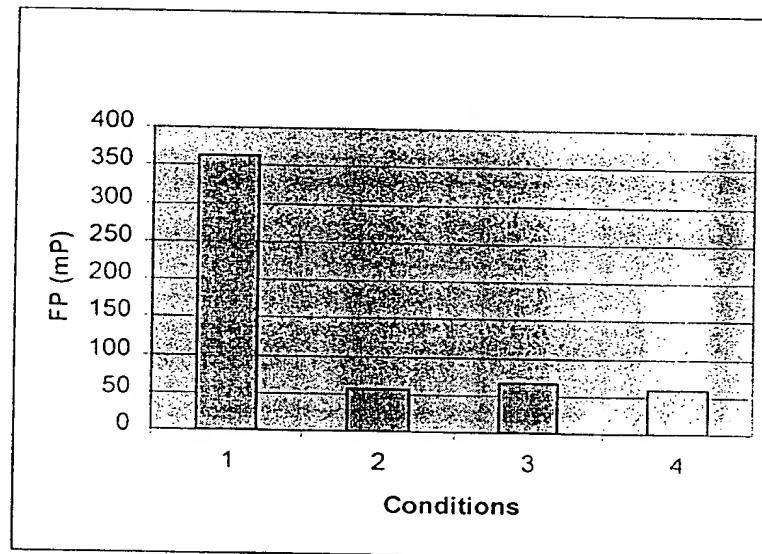
Fig. 26**Fig. 27**

Fig. 28

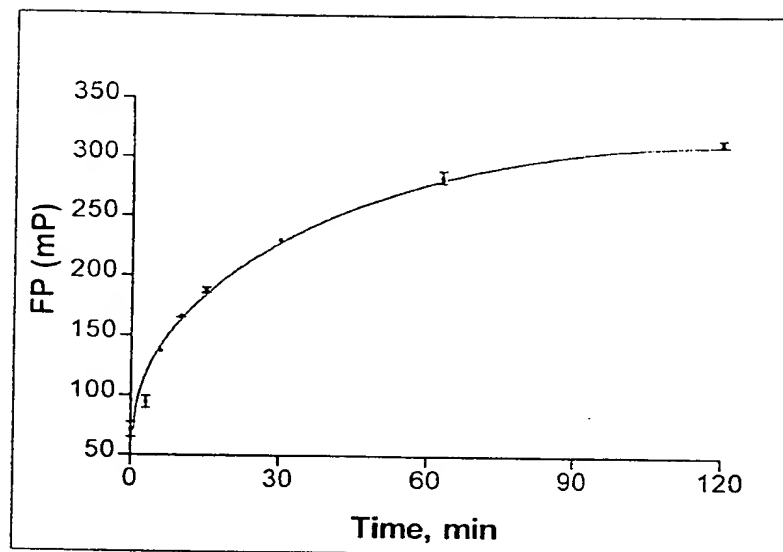


Fig. 29

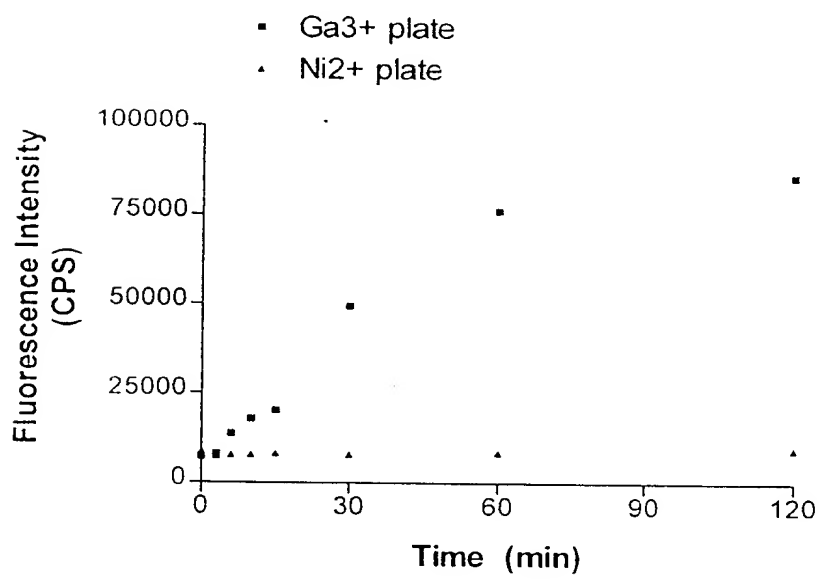
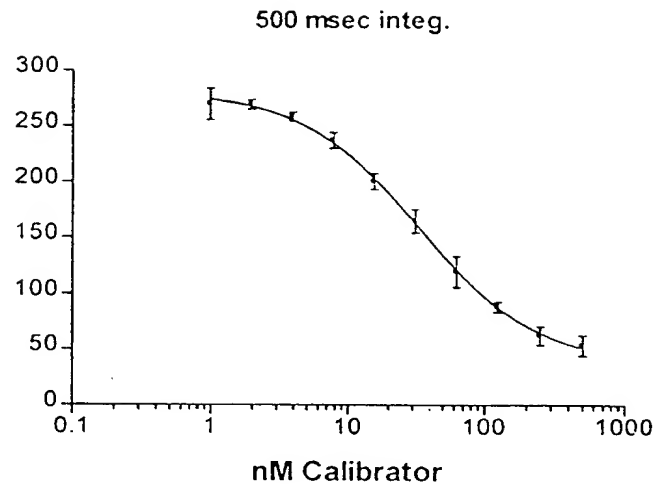


Fig. 30**A****B**